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PRELIMINARY INFORMATION

DELTA DATA SYSTEMS CORPORATION

Proudly Presents

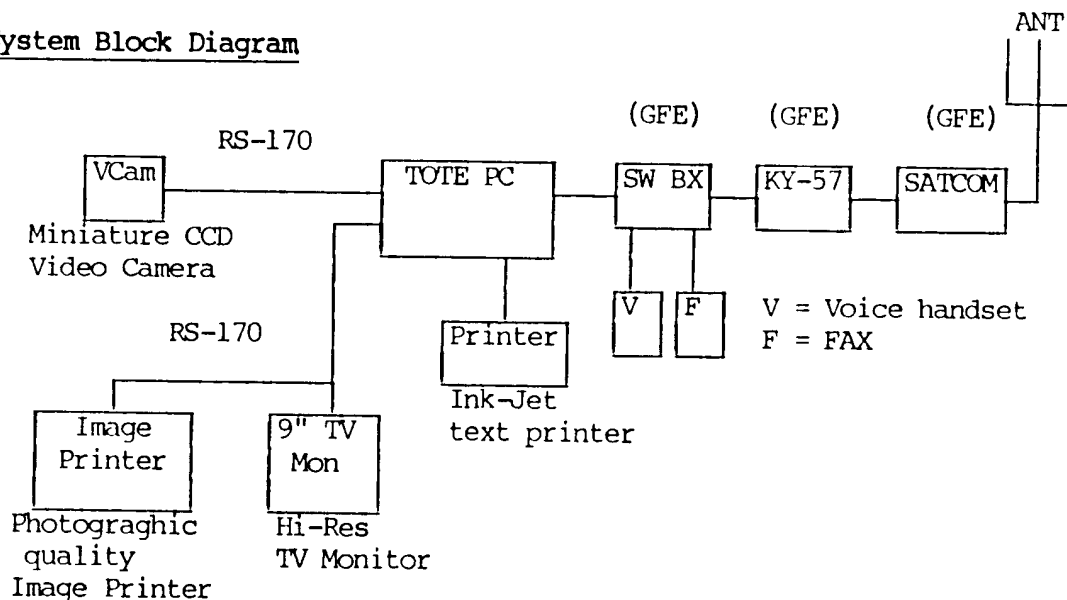
The Delta Data PORTS Imagery System**System Description:**

The Delta Data PORTS Imagery System is a low-cost, easy to use, yet powerful transportable Imagery System.

It is based upon the Delta Data TEMPEST TOTE PC equipped with an image digitizer board, a miniature video camera, a compact 9" high resolution Black & White TV monitor, a small ink-jet text printer, a photographic-quality video image printer and sophisticated menu-driven software.

This software permits the system to:

- Display real time digitized camera images on monitor
- Capture images and display on Hi-Res TV monitor
- Save and Recall images from cartridge hard disk
- Annotate images with text and/or graphics
- Enhance images
- Receive and Transmit images

System Block Diagram

The TOTE PC is equipped with 640 KB RAM, a Floppy Disk Drive, a 10 MB Cartridge Hard Disk Drive, a Frame Grabber video image digitizing board, clock/calendar with battery backup and a Synchronous Communications board.

Imagery System Components Description:

Video Camera

The video camera is extremely small and uses a solid state image sensor - the Charge Coupled Device (CCD) - instead of the conventional pickup tube. It can operate in low light environments (3 lux), and can even detect images that are close to the infrared range, permitting surveillance in dark places and of heat radiating objects.

Two interchangeable high quality lenses are provided, which attach to the camera with a standard C mount adapter:

1. Nikon Micro-Nikkor 55mm f/2.8
2. Sony 16mm f/1.4 (for close-up & wide angle uses)

A camera power supply and a camera tripod are also included.

High Resolution 9" TV Monitor

The Imagery System monitor is a compact, broadcast quality monochrome 9" TV video monitor featuring high reliability and superior picture quality.

Photographic Quality Image Printer

The image printer provides a high resolution, photograph-quality hard copy of images with 16 or more shades of gray, using raster-scan video as input.

Ink Jet Printer

The small TEMPEST ink jet printer provides hard copy text output and serves as the system printer when needed.

TOTE PC

The TOTE PC is a rugged and compact IBM PC compatible transportable TEMPEST Personal Computer. It features an amber Electroluminescent Display for bright, sharp, easy to read characters, a 360 KB floppy disk drive, a 10 MB cartridge hard disk drive and a 640 KB RAM. It boasts 9 PC bus expansion card slots into which IBM PC compatible cards can be added. One such board is the frame grabber video digitizer board. The TOTE PC also features the Cassette Aided Trainer (CAT), a micro-cassette tape drive to assist the operator in stressful environments.

The frame grabber board digitizes the incoming video signal and displays the digitized image on the system TV monitor in real time at 30 frames per second. The image can also be temporarily stored in the board's digital memory as a 512 x 512 x 8 bit image.

A real-time clock/calendar with battery backup board is used to automatically provide the system with accurate date and time.

A synchronous communications board is provided to permit externally clocked data communications for receiving and transmitting images.

PORTS IMAGERY SYSTEM ITEMIZED CONFIGURATION LIST

The PORTS Imagery System is sold as a complete system at \$45,000.

The following list constitutes the items that comprise a Delta Data Series 1000 PORTS 1A Imagery System:

Delta Data Series 1000 PORTS 1A Imagery System:

Camera Items

- CCD Video Camera Module
- Camera Power Unit
- Lens, 16 mm f/1.4 w/ IR cut filter
- Lens, 55 mm f/2.8 w/ C mount adaptors
- Power Supply, Camera
- Cable, 25' BNC Coaxial
- Tripod attachment
- Tripod

High Resolution 9" TV Monitor

- Cable, 10' BNC Coaxial

Photographic Quality Image Printer

- Cable, 10' BNC Coaxial

Ink Jet Text Printer

- Cable, Printer, 10', Shielded, Parallel Interface

TOTE PC (TEMPEST Transportable Personal Computer) with:

- PORTS 1A Imagery System Software
- Frame Grabber Video Digitizer & Memory Board
- 640 KB Memory
- Electroluminescent Display
- 10 MB Cartridge Hard Disk Drive
- Floppy Disk Drive
- Synchronous Communications Board
- Clock / Calendar Board
- Parallel Printer Port
- Serial Asynchronous I/O Port
- Serial Synchronous I/O Port
- Cable, 10' Communications, EIA Shielded

Maintenance:

Warranty:

The PORTS IA Imagery System is warranted for a period of ninety (90) days from the date of shipment. Warranty repair work will be performed at no charge when the failed item(s) is returned to our Reston, VA Factory Service Depot.

Maintenance Contract:

A depot level maintenance contract is available from Delta Data at \$520 per month per PORTS system. This provides for the repair of any failed item of the PORTS Imagery System system when returned to the Delta Data depot which is located at:

Delta Data Systems Corporation
1765 Business Center Drive
Reston, VA 22090
Attn: Factory Service Dept.
(703) 450-7300

Other specialized maintenance agreements can be arranged that are structured to meet specific customer requirements.

Consumable Items:

<u>QTY</u>	<u>DESCRIPTION</u>
5-10	10 MB Cartridge Hard Disks
1	10 MB Cartridge Hard Disk Cleaning Kit
1	Image Printer Recording Paper, four 210' rolls / case
5-10	Ink Jet Text Printer Ink Cartridges
1	Ink Jet Text Printer Paper, Box of 1,000 fanfold sheets

For more information, contact:

Andy Marriott
Delta Data Systems Corporation
1765 Business Center Drive
Reston, VA 22090
(703) 450-7300

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